



Schlumberger

PRIMARY CEMENTING PROPOSAL 2 7/8 IN. LONGSTRING

ARNOLD OIL PROPERTIES PITZER TRUST 1-2

Well Location

County: Custer State : Okla Country: USA

Prepared for

: Steve Kester

Service Point

: EL RENO, OK

Date Prepared

31-May-07

Business Phone FAX No.

: 405-262-6580 405-262-5851

District contact

: FELIPE GERMINI

Prepared by

Phone

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EXHIBIT





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Well Data: 2 7/8 in. Longstring

		,	
Surface	Depth Casing Size Open Hole Diameter Previous Csg. Depth Previous Csg. Size BHST BHCT Total Excess Tail Excess	4 3/4 11,130 5 1/2 230	in., 6.5 lbs./ft in. ft. in., 17 lbs./ft. °F
		20	
	74 CADESS	20	%

< Previous Csg. 11,130 ft.

Mud Wt./Type: 12.3 ppg Fresh Wtr. Based

Calculations:

< Top of Cement 11,900 ft Volume Factors:
Casing x Open Hole
Casing x Previous Casing
Casing (Internal)

0.078 cu.ft./ft 0.0881 cu.ft./ft 0.0321 cu.ft./ft

Top of Cement

11,900 ft.

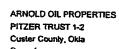
Cement System:

Open Hole Fill Casing Shoe Cement

(1,544 × 0.078 × 1.2) / 1.41 = 103 sks. (40 × 0.0321) / 1.41 = 1 sks. Total Tall Cement = 103 sks.

< 7.D. - 13,444 ft





Cementing Services Pricing

	Units	UOM	Description	Unit Price	Disc. %	Extended Price
1	MATERIALS AND EQUIPMENT:			25		
	1	EA.	PUMP CHARGE 13444 FT 1ST 8HRS	35,200.00	48	10 20 1 02
	1	EA.	STANDBY CMT. PUMPER (4 HOURS)	6,300.00	48	18,304.00
	4	HRS.	ADDITIONAL HRS. ON PUMP	1,210,00	48	3,276.00
	1	EA.	BATCH MIXER 100 BBLS	4,360.00	46 48	2,516.80
	4	HRS.	ADDITIONAL HRS. ON BATCH MIXER	358.00		2,267.20
	16	HRS.	CEMENT BULK UNITS TIME ON LOCATION	230.00	48 48	740.48
	60	EA.	ROUNDTRIP MILEAGE (CARS/TRUCKS)	230. 0 0 5.51		1,913.60
	1	EA.	CemCAT/PRISM/TREATMENT DATA SERVICE	1,880,00	48	171,91
	95	SKS.	CLASS H CEMENT	42.15	48 48	977.60
	.93	CWT.	D31 BARITE WT. AGT.	77.10	48	2,082.21
	3126	LBS.	D66 SILICA FLOUR	0.66	40 48	3,728.56
	67	GALS.	D161 CEMENT RETARDER	40.80		1,072.84
	20	GALS.	D47 ANTIFOAMER		48	1,421.47
	27	LBS.	D167 UNIFLAC	100.70 86.40	48	1,047.28
	27	LBS.	D65 TIC DISPERSANT		48	1,213.06
	10	BBLS.	CW-100 CHEMICAL WASH	16.05	48	225.34
	40	GALS.	F40 SURFACTANT	125.00	48	650.00
	30	BBLS.	D970 MUDPUSH II	168.00	48	3,494.40
	60	MILES	MILEAGE ON 3 UNITS	254.00	48	3,962.40
	321	T.M.	HAULING 10.7 TONS	9.53	48	892.01
	209	CU.FT.	SERVICE CHG.	3.58	48	597.57
	1	EA.	TOP PLUG (ALUMINUM)	4.86	48	528.18
	1	EA.	BOTTOM PLUG ALUMINUM	253.50	48	131.82
	3	Units	DOT TRUCK SURCHARGE	624.00	48	324.48
	3	EA.	Fuel Surcharge (3% Gross Services)	725.00	48	1,131.00
	•		. 44. Dara bige (5 % Gibss Geryices)	325.00	0	975.00
		135	SUBTOTAL (PRICEBOOK)		5	102,263.88
			EFFECTIVE DISCOUNT	47.54	%	48,618,66
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			DISCOUNTED TOTAL PRICE		\$	53,645.22



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This quote is valid for a period of thirty days from the date submitted. These prices are estimates based on current price structure and will vary somewhat with the materials, equipment, and time actually required at the time of service. The discount shown will be applicable to the most current Dowell price book in effect at the time of service. Not included are the costs of fluid storage, oil, water, (or transportation thereof) except as listed. Dowell does not offer these services.

The cement slurry data presented are from systems previously tested in Dowell laboratories. Thickening time tests should be run when field mix water is available and final temperatures are known. Mud\Cement compatibility tests should be run when final mud systems are in use. These tests could cause quantity variations of the materials recommended, thereby affecting the price of the job.

In the Interest of safety, a pre-job tallgate safety meeting will be held with your representative and other on-location personnel to familiarize everyone with existing hazards and safety procedures. During this meeting a designated wash-up area will be assigned for our cementing unit to dispose of our cement slurry and drilling mud displacement fluid.

Thank you for considering Dowell for this work. Please do not hesitate to call with any questions or concerns.

Felipe Germini El Reno Okla